

Title (en)

Polynucleotide molecules encoding neospora proteins

Title (de)

Für Neosporaproteine kodierende Polynukleinsäuren

Title (fr)

Acides nucléiques codant pour des protéines de Neospora

Publication

EP 1221486 A3 20021023 (EN)

Application

EP 02002960 A 19990309

Priority

- EP 99301746 A 19990309
- US 7938998 P 19980326
- US 11228298 P 19981215

Abstract (en)

[origin: EP1221486A2] The present invention provides isolated polynucleotide molecules comprising nucleotide sequences encoding GRA1, GRA2, SAG1, MIC1 and MAG1 proteins from Neospora caninum, as well as recombinant vectors, transformed host cells, and recombinantly-expressed proteins. The present invention further provides a polynucleotide molecule comprising the nucleotide sequence of the bidirectional GRA1/MAG1 promoter of N. caninum. The present invention further provides genetic constructs based on the polynucleotide molecules of the present invention that are useful in preparing modified strains of Neospora cells for use in vaccines against neosporosis.

IPC 1-7

C12N 15/30; **C12N 15/85**; **C12N 5/10**; **C07K 14/44**; **C07K 16/20**; **A61K 39/002**

IPC 8 full level

C07K 14/44 (2006.01); **C12N 15/30** (2006.01); **A61K 38/00** (2006.01); **A61K 39/00** (2006.01)

CPC (source: EP US)

C07K 14/44 (2013.01 - EP); **A61K 38/00** (2013.01 - EP); **A61K 39/00** (2013.01 - EP US)

Citation (search report)

[XA] BÜLOW R. & BOOTHROYD J.C.: "Protection of mice from fatal Toxoplasma gondii infection by immunization with p30 antigen in liposomes", J. IMMUNOL., vol. 147, 1991, pages 3496 - 3500, XP002198881, ISSN: 0166-6851

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

EP 1221486 A2 20020710; **EP 1221486 A3 20021023**; EP 1221485 A2 20020710; EP 1221485 A3 20021002; EP 1221487 A2 20020710; EP 1221487 A3 20021002

DOCDB simple family (application)

EP 02002960 A 19990309; EP 02002959 A 19990309; EP 02002961 A 19990309